

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
**WO 2005/002957 A1**

(51) International Patent Classification<sup>7</sup>: **B62K 5/06**,  
11/00, B62D 61/06, B62J 25/00 // B62D 9/02

(21) International Application Number:  
PCT/NO2004/000197

(22) International Filing Date: 29 June 2004 (29.06.2004)

(25) Filing Language: Norwegian

(26) Publication Language: English

(30) Priority Data:  
20033026 1 July 2003 (01.07.2003) NO

(71) Applicant (for all designated States except US): **FRIEND  
INTERNATIONAL AS** [NO/NO]; Gressbanevn. 8,  
N-3300 HOKKSUND (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BRUDELI, Geir**  
[NO/NO]; Gressbanevn. 8, N-3300 HOKKSUND (NO).

(74) Agents: **ONSAGERS AS** et al.; P.O.Box 6963, St. Olavs  
plass, N-0130 Oslo (NO).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

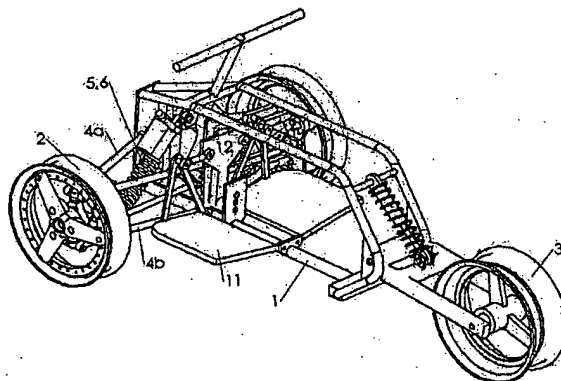
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: **THREE-WHEELED VEHICLE**



(57) Abstract: The present invention relates to a three-wheeled vehicle comprising a frame with engine, drive gear and at least one driven wheel at the rear, and two front wheels which are used in part to steer the vehicle. The vehicle can also be steered in that the frame with engine, drive gear and the driven rear wheel can be banked over to the side like a motorcycle. The present invention relates in particular to a design which helps to move the centre of gravity when such a vehicle is tilted to the side so that, inter alia, it is easier to right the vehicle. Furthermore, the present invention makes it possible to affect and determine the driving characteristics of the vehicle by varying different design parameters within the scope of the present invention. The invention also relates to a special design for the mounting of footboards on which the driver of the vehicle can place his/her feet when driving the vehicle. The special design according to the invention contributes actively to changing the geometry between the footboards and the frame of the vehicle when the vehicle is used and especially when it is "tilted" to the side to steer the vehicle.

WO 2005/002957 A1